

Curtis E. LeMay Center for Doctrine Development and Education





Mission



Develop America's Airmen Today...for Tomorrow



The LeMay Center develops warfighters for the Joint and Combined team through Doctrine, Education, and Wargaming

Key tasks include:

- **Doctrine (Service / joint / multinational)**
- **Warfighting Education (joint / multinational NCO to Flag Officer)**
- **Wargaming (joint / multinational / educational and Title 10)**



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Up Next



Develop America's Airmen Today...for Tomorrow

- **Doctrine**
- **Education**
- **Wargaming**
- **Joint Outreach and Liaison**
- **Web Presence**



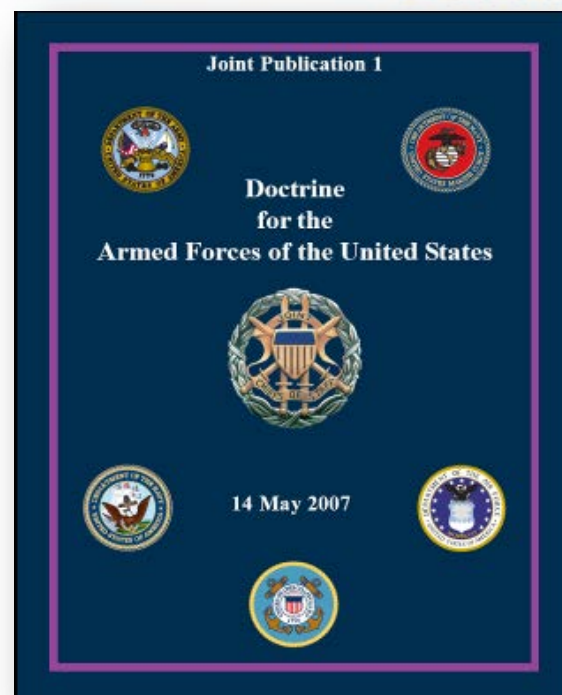
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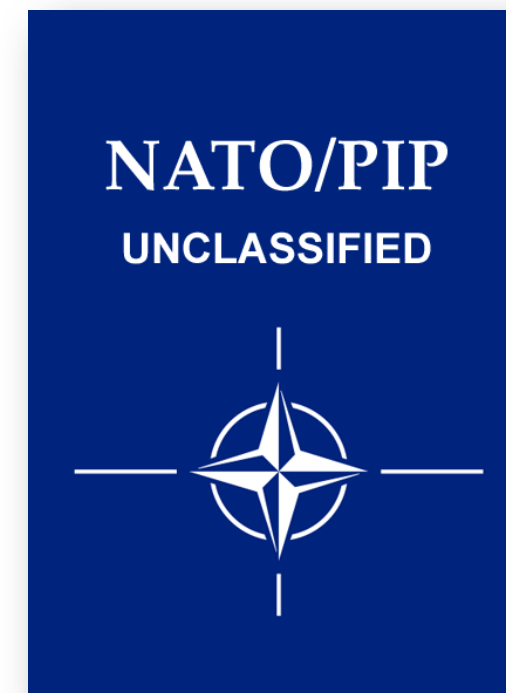
LeMay Center Doctrine Impact



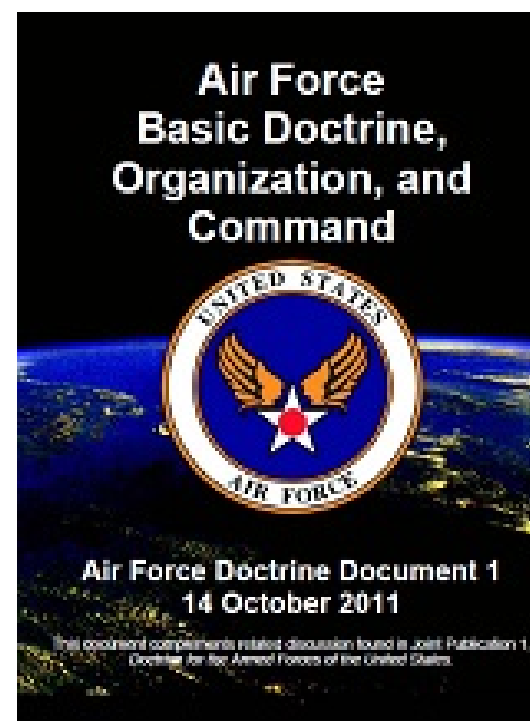
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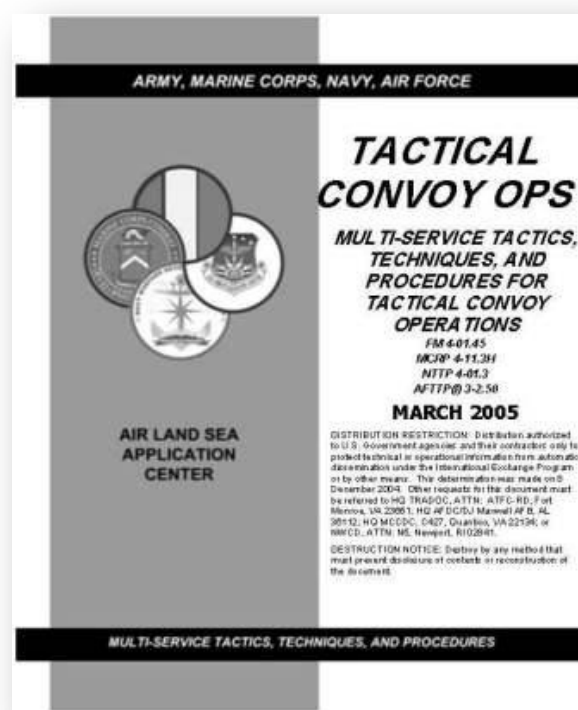
Joint Doctrine
82 publications



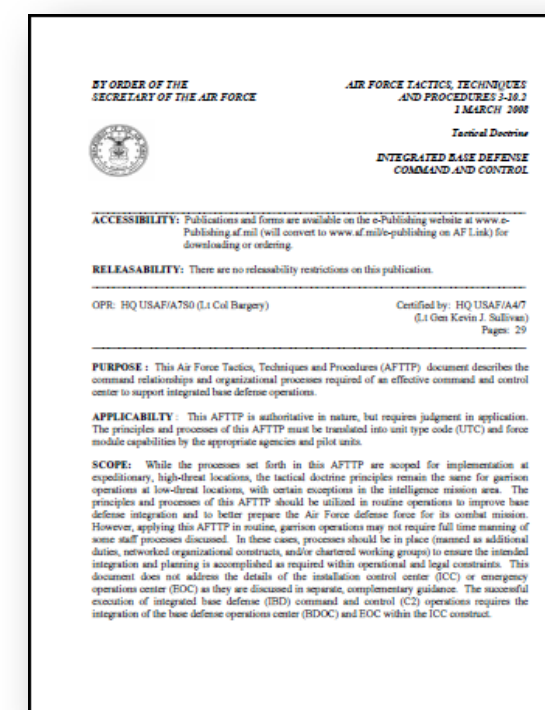
Multinational Doctrine
100+ publications



Air Force Doctrine
30 publications



Multi-Service TTPs
37 publications



Air Force TTPs
101 publications



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Current Air Force Doctrine Library



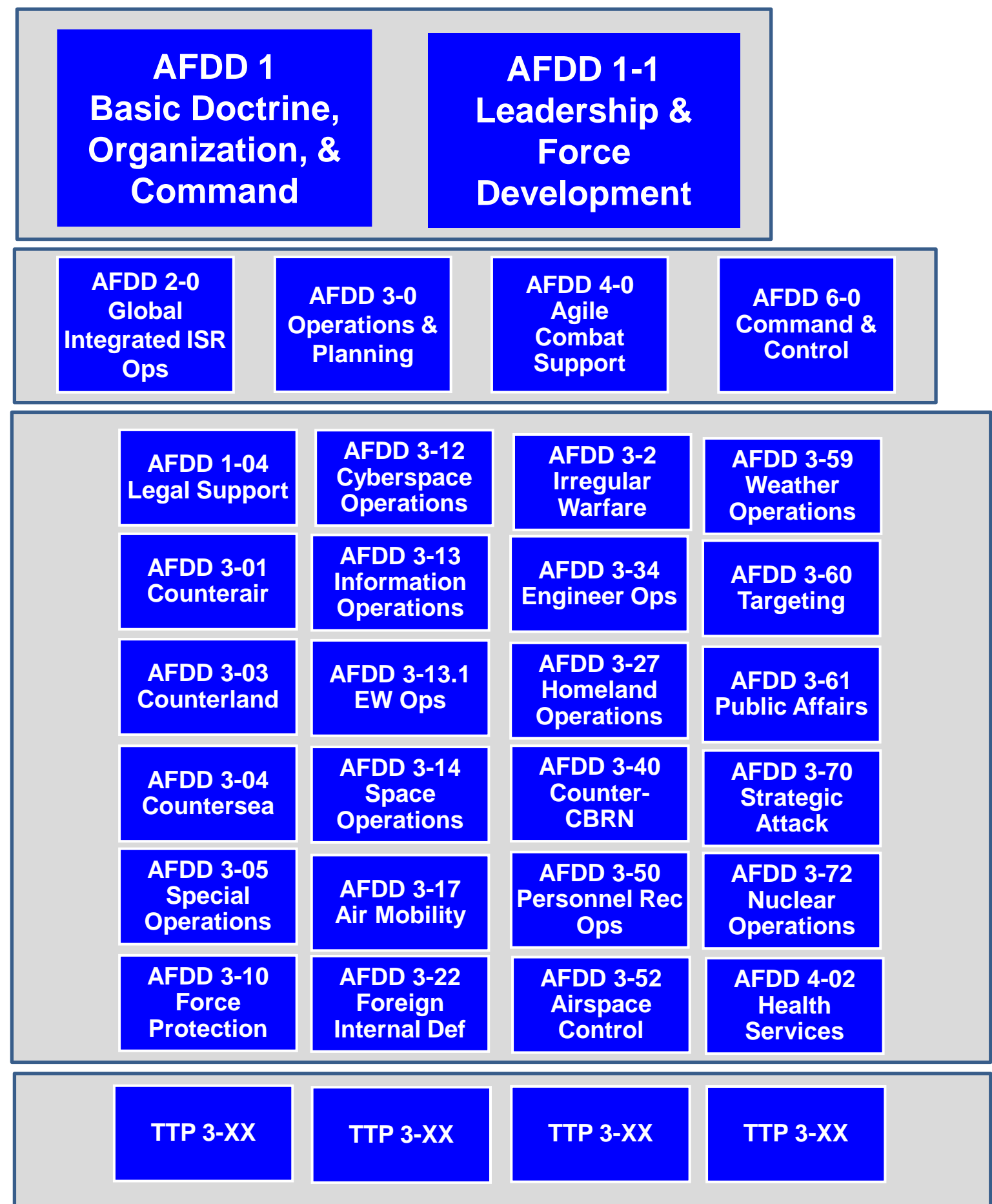
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Capstone Doctrine (2)

Keystone Doctrine (4)

Sub Publications (24)

Tactics, Techniques, and Procedures (101 pubs)



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AF Doctrine Summit



Develop America's Airmen Today...for Tomorrow

- CSAF-led senior leader forum
- Annually held in conjunction with CORONA Fall at USAFA
- LeMay Center/CC primary briefer
- Topics generated by the LeMay Center
- Generally decision briefs
- 2012 Doctrine Summit approved “Doctrine Next”
 - Overhaul of doctrine development process & doctrine presentation
 - Implementation by October 2013



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Doctrine Next Construct



Develop America's Airmen Today...for Tomorrow

5 core volumes instead of 30 stand-alone AFDDs

- Organized by themes and topics
- Eliminates redundancy; word count reduced 25-30%

28 annexes written to underpin 5 basic volumes

- Annexes written to support an overarching narrative

Interactive database

- Customizable search by topic
- Improved accessibility and readability
- Single issue, topic-based, library-wide updates
- Targeted writing, coordination, and approval
- Reduced staffing and workloads



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Doctrine Next Construct



Develop America's Airmen Today...for Tomorrow

**Air Force
Basic Doctrine**



**Leadership &
Force
Development**



**Commanding and
Organizing AF
Forces**



Operations



Support



Interactive
database
between
five
volumes
and
Doctrine
Annexes

- Annex 1-04 Legal
- Annex 2-0 GIISR
- Annex 3-0 Ops and Planning
- Annex 3-01 Counterair
- Annex 3-03 Counterland
- Annex 3-04 Countersea
- Annex 3-05 Special Ops
- Annex 3-2 IW
- Annex 3-10 FP
- Annex 3-12 Cyber
- Annex 3-13 IO
- Annex 3-13.1 EW
- Annex 3-14 Space
- Annex 3-17 Mobility
- Annex 3-22 FID
- Annex 3-27 Homeland Ops
- Annex 3-30 C2 for Air Ops
- Annex 3-34 Engineer Ops
- Annex 3-40 C-CBRN
- Annex 3-50 Personnel Recovery
- Annex 3-52 Airspace
- Annex 3-59 Weather
- Annex 3-60 Targeting
- Annex 3-61 PA
- Annex 3-70 Strategic Attack
- Annex 3-72 Nuclear Ops
- Annex 4-0 Combat Support
- Annex 4-02 Med Ops



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Doctrine Next Benefits



Develop America's Airmen Today...for Tomorrow

Doctrine Next provides a unifying airpower construct

- Main volumes provide core doctrinal concepts across the service
- Annexes provide fill-in info for specific topics with limited redundancy

Improved effectiveness and efficiencies

- Proactive; keeps pace with terms and concepts
- Leverages existing IT products / processes
- Currency measured in days...not years
- Clear, focused, more readable Service doctrine

Facilitates lead-turning joint doctrine development

- Faster, more proactive staffing process for Service doctrine
- Quicker updates preceding JP revisions to present up-to-date AF position
- More responsive updates following changes to Joint doctrine





Up Next



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Senior Leader Joint Education



Develop America's Airmen Today...for Tomorrow

Joint Flag Officer Warfighting Course (JFOWC)

- Leading / planning / executing theater-level warfare
- 13-day course, 2 classes / year
- 1- and 2-star officers



Joint / Combined Force Air Component Commanders Course (J/CFACC)

- Leading / planning / executing airpower at the theater level
- 6-day course, 1 JFACC and 1 CFACC per year
- 1- and 2-star officers



Senior Joint Information Operations Applications Course (SJIOAC)

- Presents concepts & principles of IO
- 4-day course, 2 classes / year
- 1- and 2-star officers & civilian equivalents



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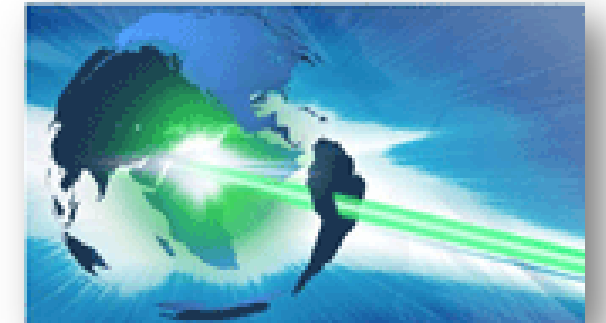
Senior Leader AF Education



Develop America's Airmen Today...for Tomorrow

Cyberspace Operations Executive Course (COEC)

- Understanding networks, vulnerabilities, threat activity, & protection efforts
- 1.5-day course, 2 classes / year
- 3- & 4-star officers & civilian equivalents



AF Senior Executive Warfighter Perspective Seminar (AFSEWPS)

- Increases knowledge of airpower
- USAF doctrine basics; Joint issues
- 4.5-day course, 2 classes / year
- AF Senior Executives



Senior Leader Airpower Doctrine Seminar (SLADS)

- Update AF JPME attendees on changes in doctrine & current doctrine issues
- 1-day course, 8 times / year
- AF general officer & civilian equivalents



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PCE

Professional Continuing Education

Develop America's Airmen Today...for Tomorrow



Contingency Wartime Planning Course (CWPC)

- Fundamentals of deliberate & crisis action planning
- 2-week course, 9 times per year
- E-5 through O-6 & civilians (Joint / Coalition)



Joint Air Operations Planning Course (JAOP)

- How to develop, plan, & execute the air component's portion of a joint campaign plan
- 2-week course, 6 times per year
- E-5 through O-6 & civilians (Joint / Coalition)



IO Fundamental Application Course (IOFAC)

- Application of the principles of information operations to enhance warfighting capabilities
- 1-week course, 6 times per year
- E-5 through O-6 & civilians (Joint / Coalition)



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AF Doctrine Outreach



Develop America's Airmen Today...for Tomorrow

Assist Combatant Command Air Force Components with doctrine expertise & support to exercises, experiments, & wargames

Doctrine Response Teams support analysis, application, & training for real-world operations & events

- ULCHI FREEDOM GUARDIAN 12
- AUSTERE CHALLENGE 12
- Operation TOMODACHI mission analysis
- Command relationships analysis to support 17AF deactivation

Provide observations from exercises & real-world operations for potential integration into doctrine, PME & PCE across AU

Publish Doctrine Advisories / Updates



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Air Force Wargaming



Develop America's Airmen Today...for Tomorrow

Global Challenge (AWC)

- Senior Service School capstone wargame
- Focus on DIME spectrum to a crisis
- Approx 235 students participate



Joint Land, Air and Sea Strategic Exercise (Joint SDE)

- Senior Service School elective
- Develop responses to regional crisis
- Distributed planning / collective execution
- Two-sided seminar based construct
- Approx 115 students participate



Joint Air Exercise, Joint Planning Exercise, Joint Wargame, and Joint Intermediate Planning Staff Exercise (ACSC)

- Tri-phased execution; capstone games for three courses
- Operational joint & air doctrine focus
- One-sided execution with model assistance
- Approx 510 students participate



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Air Force Wargaming



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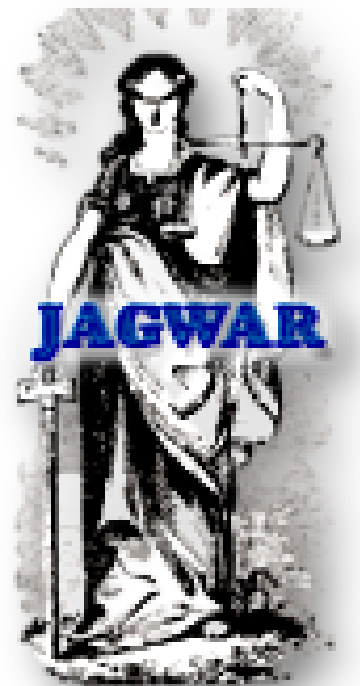
Theater Campaign Warfare (SAASS)

- SAMS, MAWS, and SAW participate
- Focus on DIME spectrum to a crisis
- Distributed planning / collective execution
- One-sided seminar-based construct
- Approx 100 students participate



Judge Advocate Wargame and JAGZILLA (AFJAGS)

- Leadership, management, communication focus
- Reinforces course material
- Tactically focused / simulation assisted
- JAGWAR – 2 games per year with approx 64 students per game
- JAGZILLA – 1 game per year with approx 110 students per game



Focused Long Term Challenge (AFRL)

- Gain insights useful in making decisions on:
 - AFRL Research Resource Prioritization
 - Creating / optimizing Focused Long Term Challenge Warfighter Concepts
 - Accomplished every other year in conjunction with Futures Game planning
 - Approx 150 scientists/subject matter experts



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Air Force Wargaming



Develop America's Airmen Today...for Tomorrow

Grand Strategy Series (GSS)

- Senior Service School elective
- Supports Grand Strategy Program (GSP)
- 3-phase wargame refining strategic / operational concepts
- Includes strategic analysis & decision-making
- Approx 15 students participate



Theater Air Visualization (TAV)

- Doctrinal and strategic concept application
- Students hone critical thinking, problem solving, comm skills
- Air and space operations center concepts explored
- Approx 750 SOS students and 120 OTS students per game
- SOC has 14 executions and OTS has three executions/year



Exercise in National Budgeting Priorities

- For the Defense Financial Management and Comptroller School
- Addresses national budget priorities as impacted by presidential & cabinet-level decisions
- Approx 40 students per class, 5 executions per year



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Air Force Title 10 Wargaming



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US Air Force Future Capabilities Game

- One of two Air Force Chief of Staff Title 10 wargames
- Long-range strategic planning activity at General Officer level
- Compares alternative futures and force structures
- Supports strategic planning inputs
- Influences (and is influenced by) the “Unified Engagement” series
- Impacts Air Force strategic planning, concept development and force structure



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Alliance Wargaming Support



Develop America's Airmen Today...for Tomorrow

Australian Command & Staff College, Weston Creek

- PEGASUS Australia
- Capstone operational airpower event for 45 students
- Executed yearly in Australia



Netherlands Defense College, The Hague

- PEGASUS Netherlands
- Capstone operational airpower event for 14 students
- Executed yearly at Maxwell AFB



UK Joint Services Command & Staff College, Shrivenham

- PEGASUS United Kingdom
- Capstone operational airpower event for 170 students
- Executed yearly in the United Kingdom



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Geographically Separated Units



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Joint and Air Staff Liaison



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Focal point for Joint and Air Staff issues and communication

Executes CAPSTONE SLADS for LeMay Center – 60 students per year



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Joint Integration Directorate



Develop America's Airmen Today...for Tomorrow

Air Force - Army tie-in

- Located at Fort Leavenworth & 3 operating locations
- Supports Army doctrine development
- Provides Air Force support to TRADOC exercises, experiments & wargames
- Plans, prepares, & presents Air Force instruction to Army personnel in basic qualification courses



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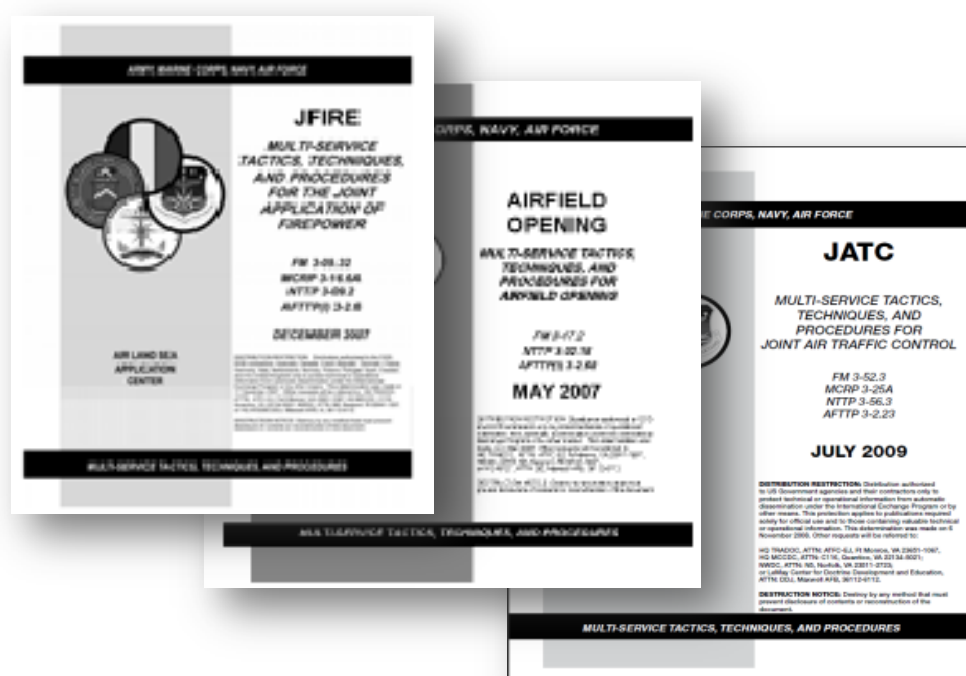


Air, Land, Sea, Application Center

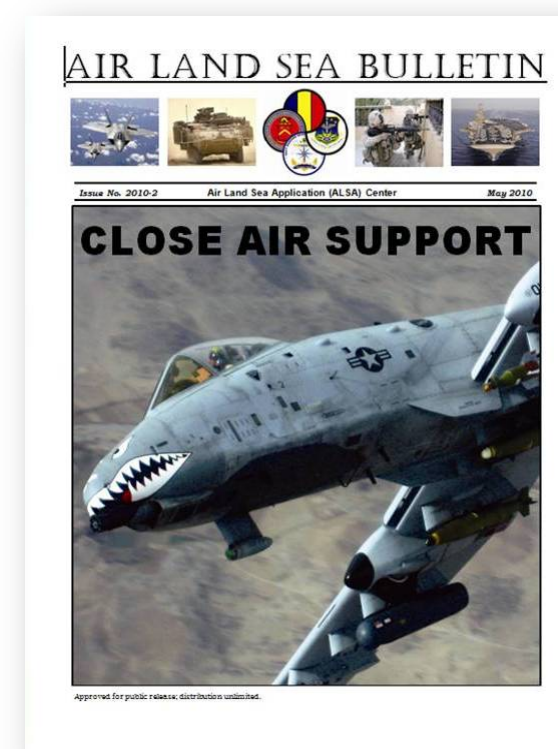


Develop America's Airmen Today...for Tomorrow

- Joint organization: “meeting immediate needs of warfighter”
- Chartered by 4 services – steered by Joint Actions Steering Committee
- LeMay Center is the Air Force voting member
- Input from field + speed = Joint solution with instant combat impact
- Authors & maintains 35 Multi-Service manuals / instructions
- Conducts field research to stay relevant, outreach to inform units



Multi-Service Tactics, Techniques and Procedures



Quarterly Bulletin



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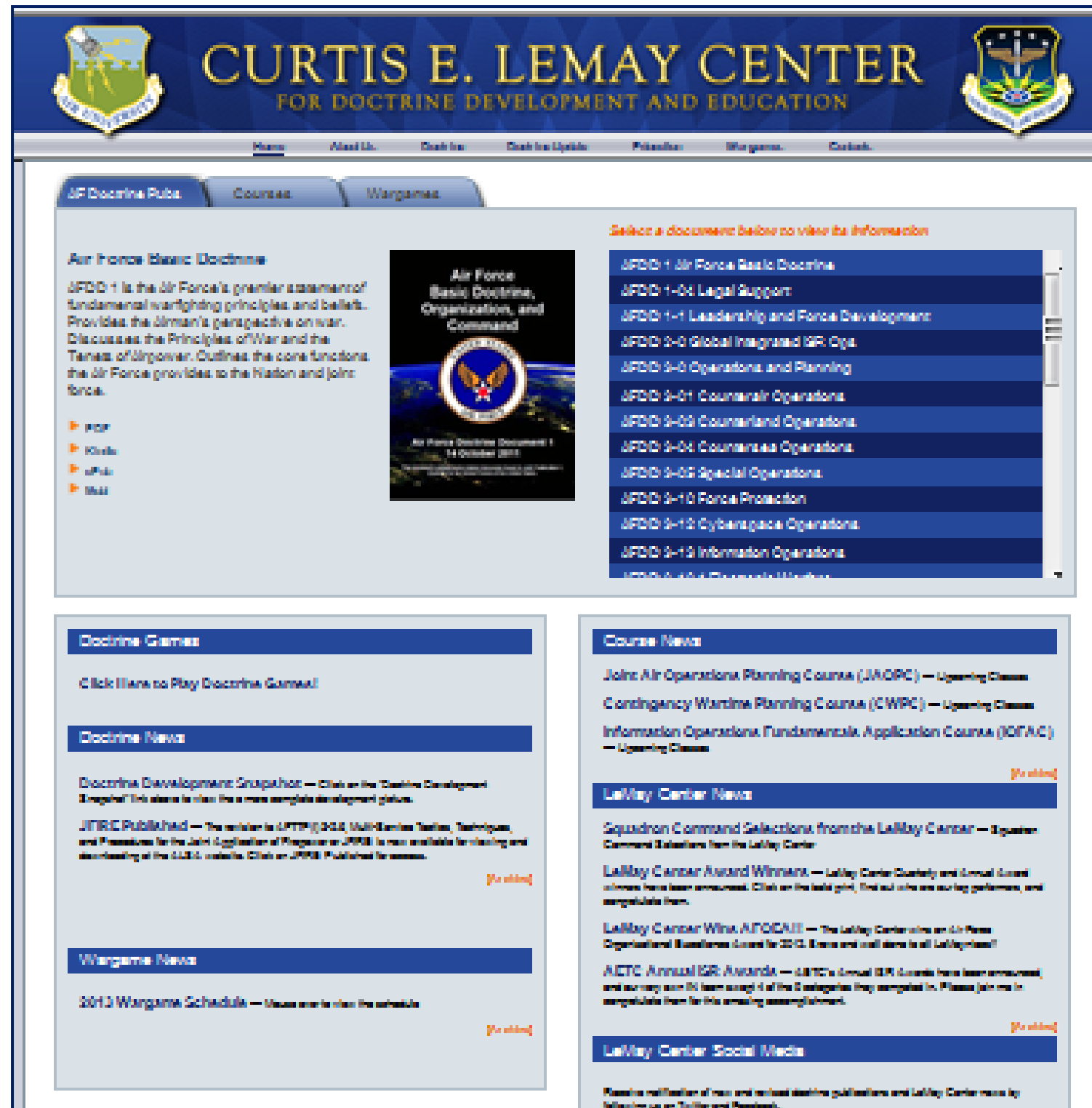
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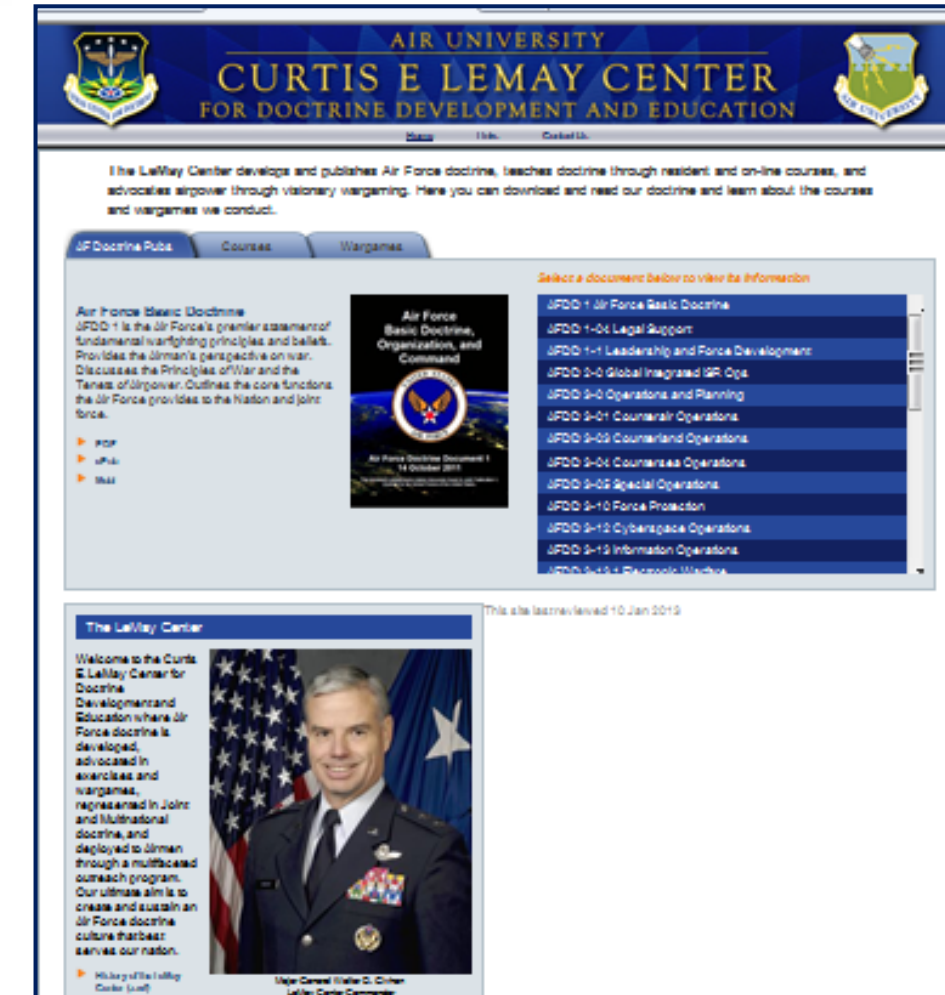
Global Web Presence



Develop America's Airmen Today...for Tomorrow



LeMay Center .mil restricted website



LeMay Center public website



LeMay Center Air Force Portal Page



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LeMay Center



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“At the very heart of warfare lies doctrine”



<http://www.au.af.mil/au/lemay>



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